AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A code division multiple access (CDMA) receiver comprising a searcher for preparing a delay profile in received CDMA signals that indicates a plurality of radio propagation paths to produce path information identifying main propagation paths, said CDMA receiver comprising:

path monitoring means for monitoring the path information from said searcher to produce a detection signal when said main propagation paths are stable for a predetermined time interval; and

searcher operation controlling means for controlling, in response to said detection signal, said searcher to make said searcher intermittently operate at a predetermined intermittent period.

2. (original): A CDMA receiver as claimed in claim 1, wherein said path monitoring means including:

path information memory means for storing current path information from said searcher as stored path information;

path comparing means for comparing said stored path information with said current path information, said path comparing means producing a path coincidence signal when said stored path information coincides with the current path information, said path comparing means producing a path inconsistency signal when said stored path information coincides with the current path information; and

path coincidence counting means for counting, in response to said path coincidence signal, a path coincidence count, said path coincidence counting means initializing, in response to said path inconsistency signal, said path coincidence count to an initial count,

said monitoring means producing said detection signal when said path coincidence count reaches a predetermined count.

3. (original): A CDMA receiver as claimed in claim 2, wherein said initial count is equal to one.

4. (original) A method of reducing power consumption in a code division multiple access (CDMA) receiver comprising a searcher for preparing a delay profile in received CDMA signals that indicates a plurality of radio propagation paths to produce path information identifying main propagation paths, said method comprising the steps of:

monitoring the path information from said searcher to produce a detection signal when said main propagation paths are stable for a predetermined time interval; and

controlling, in response to said detection signal, said searcher to make said searcher

intermittently operate at a predetermined intermittent period.

5. (original): A method as claimed in claim 4, wherein the monitoring step comprising

the steps of:

storing, in a path information memory, current path information from said searcher as

stored path information;

comparing said stored path information with said current path information to produce a

path coincidence signal when said stored path information coincides with the current path

information;

counting, in response to said path coincidence signal, a path coincidence count, and

producing said detection signal when said path coincidence count reaches a

predetermined count.

6. (original): A method as claimed in claim 5, wherein the comparing step produces a

path inconsistency signal when said stored path information coincides with the current path

information, and the counting step initializing, in response to said path inconsistency signal, said

path coincidence count to an initial count.

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7. (original): A method as claimed in claim 6, wherein said initial count is equal to one.

8-12. (withdrawn)

13. (new): The receiver as claimed in claim 1, wherein said main propagation paths are stable for a predetermined time interval when previously identified main propagation paths coincide with currently identified main propagation paths throughout said predetermined time interval.

14. (new): The method as claimed in claim 4, wherein said main propagation paths are stable for a predetermined time interval when previously identified main propagation paths coincide with currently identified main propagation paths throughout said predetermined time interval.

15. (new): A receiver, comprising:

a searcher;

a path monitoring means; and

a searcher operation controlling means;

wherein said searcher periodically searches to identify main propagation paths, said path

monitoring means detects when said main propagation paths have not changed for a

predetermined period of time, and said searcher operation controller means reduces the

frequency of searches upon said detection.

16. (new): A method of receiving a transmission signal, comprising:

periodically searching a received multipath signal;

identifying main propagation paths in said searched signal;

monitoring said identified main propagation paths; and

reducing the frequency of said searching when said identified main propagation paths

have not changed for a predetermined period of time.